Application No.: 10/066,920 Docket No.: M1071.1539/P1539

AMENDMENTS TO THE CLAIMS

- 1. (Currently amended) A method of manufacturing a single crystal without using any seed crystal, comprising the steps of:
- (a) preparing a raw material polycrystalline rod which is 3 mm or smaller in diameter; and
- (b) heating and melting the raw material polycrystalline rod to form a molten zone and then cooling and solidifying the molten zone successively in the length direction, such that a fiber-shaped single crystal, which is 3 mm or smaller in diameter, grows in the direction normal to the densest surface.
- 2. (Original) The method of manufacturing a single crystal as claimed in claim 1, wherein the single crystal is an oxide single crystal.
- 3. (Original) The method of manufacturing a single crystal as claimed in claim 1 or 2, wherein step (b) is performed using the Floating Zone Method.
- 4.(Original) The manufacturing method of a single crystal as claimed in claim 1 or 2, wherein step (b) is performed using the Laser Heated Pedestal Growth method.
- 5 7 (Cancelled)
- 8. (Currently amended) A method of manufacturing a single crystal comprising without using a seed crystal:
- (a) providing a (Y,R)₃Fe₅O₁₂ polycrystalline rod which is 3 mm or smaller in diameter; and
- (b) heating and melting the raw material polycrystalline rod to form a molten zone and then cooling and solidifying the molten zone

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